

1 We claim:

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3 1. A circuit breaker, switch, or fuse status indicator consisting of a lighted visual display  
4 with a distinctive color associated with each position of the circuit breaker, composed of:

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6 a multi-color light source; and

7 a passive electronic circuit taking advantage of the status contact of the breaker, that  
8 changes the color of that light source, depending upon the status (or position) of the  
9 circuit breaker.

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11 2. The circuit breaker, switch, or fuse status indicator circuit of Claim 1, wherein the  
12 lighted visual display indicates one color when the circuit breaker is the "ON" position  
13 and another color when the circuit breaker is in the "OFF" or "TRIPPED" position.

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15 3. The status indicator (for a circuit breaker) of Claim 1, wherein the lighted visual  
16 display indicates one color when a three position (mid-trip style) circuit breaker is in the  
17 "ON" position, and another color when that circuit breakers in the "OFF" position, and a  
18 third color when that circuit breaker is in the "TRIPPED" position.

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20 4. The circuit breaker status indicator circuits of Claim 3 wherein a momentary test  
21 switch is incorporated into the lighted visual display circuit, simulating a single circuit  
22 breaker (or a group of circuit breakers) being turned to a "TRIPPED" position, causing a  
23 change in the color of all associated lighted visual display(s)

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25 5. The circuit breaker status indicator circuits of Claim 3, wherein a momentary test  
26 switch is incorporated into the lighted visual display circuit, simulating a single three  
27 position (mid-trip style) circuit breaker—or a group of three position (mid-trip style)  
28 circuit breakers—being turned to a "TRIPPED" position, causing an change in the color of  
29 all associated lighted visual display(s).

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1     **6.** The circuit breaker status indicator circuits of Claim 3, where the circuit breaker status  
2     indicator is a circuit internal to the circuit breaker.

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4     **7.** The circuit breaker status indicator of Claim 3, where the circuit breaker status  
5     indicator is a circuit external to the circuit breaker.

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7     **8.** The circuit breaker status indicator and momentary test switch of Claim 3, where the  
8     circuit breaker status indicator and momentary test switch are a circuit internal to the  
9     circuit breaker.

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11    **9.** The circuit breaker status indicator and momentary test switch of Claim 3, where the  
12    circuit breaker status indicator and momentary test switch are a circuit external to the  
13    circuit breaker.

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15    **10.** The circuit for lighted status indicator of Claim 3, for a mid-trip circuit breaker  
16    having a SPDT (single pole, double throw) main contact and equipped with an SPDT  
17    (single pole, double throw) auxiliary status switch.

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19    **11.** The circuit for lighted status indicator of Claim 3, for a mid-trip circuit breaker  
20    having a SPST (single pole, single throw) main contact and equipped with an SPST  
21    (single pole, single throw) auxiliary status switch.

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23    **12.** The circuit for lighted status indicator of Claim 3, for a mid-trip circuit breaker  
24    having a SPST (single pole, single throw) main contact, and equipped with a SPST  
25    (single pole, single throw) or a SPDT (single pole; double throw) auxiliary status switch,  
26    with a push-button alarm test switch, for a positive ground DC or AC power system.

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28    **13.** A compact, breaker-mounted module (L-Module) that monitors and displays  
29    individual breaker status.

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- 1    **14.** The L-Module of Claim 13 designed to display, monitor, and directly report
- 2    individual breaker status (Direct Status Output L-Module).
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- 4    **15.** An Alarm/Status module (A/S-Module) that monitors a series of L-Modules at
- 5    individual breakers (or circuit functioning similarly to L-Modules), outputs alarm
- 6    summary information for those L-Modules, and incorporating a momentary test switch.